

## A B S T R A C T

A SYSTEM FOR ASSISTING THE REGENERATION OF DEPOLLUTION  
MEANS INTEGRATED IN AN EXHAUST LINE OF A VEHICLE DIESEL  
5 ENGINE

This system, in which the depollution means (1) are associated with oxidation catalyst-forming means (2), and the engine (4) is associated with common rail means (7) for feeding it with fuel and adapted to implement the strategy of regeneration using at least one postinjection of fuel into the cylinders, is characterized in that it comprises detector means (8) for detecting a regeneration request (req.RG), detector means (9) for detecting a state in which the vehicle accelerator pedal is being raised, means (11) for acquiring the temperature downstream from the catalyst-forming means, means (8) for determining, on the basis of this temperature, the maximum duration for applying postinjections during a stage in which the engine is returning to idling as a result of the accelerator pedal being raised, and cutoff means (7, 8) for immediately cutting off postinjection as soon as the duration of postinjection use has reached the maximum duration.

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